

IN THE CLAIMS:

1. (Previously presented) A drill body for chip-removing metal machining, the drill body defining a center axis of rotation and comprising:

a front head and a rearwardly extending hollow shaft adapted for connection with a tube, the front head including a first material;

an axial through-channel for internal chip evacuation extending between at least one chip inlet opening in the front head and a chip outlet opening at a rear end of the shaft; and

a cutting edge disposed behind the inlet opening with reference to a direction of rotation of the drill body, the cutting edge including a second material integrally sintered with the first material of the front head.

Claim 2 (Cancelled)

3. (Currently amended) A ~~[[The]]~~ drill body according to claim 1 wherein for chip-removing metal machining, the drill body defining a center axis of rotation and comprising:

a front head and a rearwardly extending hollow shaft adapted for connection with a tube, the shaft ~~includes~~ including a male screw thread connecting the shaft to the tube, and the screw thread being interrupted along circumferentially spaced portions to form thread-free formations, and the front head including a first material;

an axial through-channel for internal chip evacuation extending between at least one chip inlet opening in the front head and a chip outlet opening at a rear end of the shaft; and

a cutting edge disposed behind the inlet opening with reference to a direction of rotation of the drill body, the cutting edge including a second material integrally sintered with the first material of the front head.

Claims 4-7 (Cancelled)

8. (Previously presented) The drill body according to claim 3 wherein the cutting edge extends from a tip located along the axis to an outer periphery of the front head, the through-channel including a rear bore extending coaxially with the axis, and a front bore defining a chip inlet, the front bore forming an oblique angle relative to the axis, there being at least two

circumferentially spaced strips disposed on the outer periphery of the body for guiding and supporting the head.

9. (Original) The drill body according to claim 8 wherein the chip inlet is generally funnel-shaped and narrows in cross-section in a direction toward the rear bore.

10. (Currently amended) A ~~[[The]]~~ drill body according to claim 1 further including for chip-removing metal machining, the drill body defining a center axis of rotation and comprising:

a front head and a rearwardly extending hollow shaft adapted for connection with a tube, the front head including a first material;

an axial through-channel for internal chip evacuation extending between at least one chip inlet opening in the front head and a chip outlet opening at a rear end of the shaft;

a bridge ~~which bridges over~~ bridging over a front mouth of the through-channel to divide the mouth into a plurality of chip inlet openings; and

a cutting edge disposed behind each of the plurality of inlet openings with reference to a direction of rotation of the drill body, the cutting edge including a second material integrally sintered with the first material of the front head, ~~the at least one cutting edge comprising a plurality of cutting edges disposed adjacent respective chip inlet openings,~~ each cutting edge extending from a centering tip disposed on the axis to an outer periphery of the front head.

11. (Original) The drill body according to claim 10 wherein the plurality of chip inlet openings consists of three spaced apart by 120°, and the plurality of cutting edges consists of three spaced apart by 120°.

12. (Original) The drill body according to claim 10 wherein the plurality of cutting edges consists of two mutually parallel cutting edges, the cutting edges forming a chisel on which the centering tip is disposed.

13. (Previously presented) The drill body according to claim 10 wherein the front head has a rotationally symmetrical envelope surface configured symmetrically relative to the axis and is free of guiding and supporting strips.

14. (Original) The drill body according to claim 1 wherein the at least one cutting edge is stepped to form part edges.

Claims 15-19 (Cancelled)

20. (Previously presented) A deep-hole drilling tool comprising:
a drill body defining a center axis of rotation and including:

a front head and a rearwardly extending hollow shaft, the front head including a first material;

an axial through-channel for internal chip evacuation extending between at least one chip inlet opening in the front head and a chip outlet opening at a rear end of the shaft; and

a cutting edge disposed behind the inlet opening with reference to a direction of rotation of the drill body, the cutting edge including a second material integrally sintered with the first material of the front head; and

a tube detachably connected to the hollow shaft of the drill body.

21. (Previously presented) The drill body according to claim 1 wherein the first and second materials comprise a single homogenous material.

22. (Previously presented) The drill body according to claim 1 wherein the first material is different from the second material.

23. (Previously presented) The drill body according to claim 22 wherein, relative to the first material, the second material comprises greater hardness and resistance to wear.